

## MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/21/2002

PAGE  
MSDS NO. 701.1

## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1  
901-775-0100EMERGENCY CONTACT  
W.M. Barr Technical ServicesEMERGENCY INFORMATION  
See Section 5 for additional Emergency InformationINVENTORY ITEM #  
701.1CHEMICAL FORMULA  
701.1PRODUCT NAME  
DRIVEWAY CLEANERREVISED BY  
W.M. Barr Technical ServicesREVISION DATE  
10/14/1993

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY			
			NTP	ACGIH	OSHA	IARC
AROMATIC PETROLEUM DISTILLATE	35- 40	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
SOLVENT NAPHTHA, HEAVY	95-100	64742-94-5	N	N	N	N
MINERAL SPIRITS	5- 10	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
STODDARD SOLVENT, TYPE I	95-100	8052-41-3	N	N	N	N
ETHYLENE GLYCOL MONOBUTYL ETHER	1- 5	111-76-2	N	N	N	N
OCTYLPHENOXYPOLYETHOXYETHANOL SOLUTION	1- 5	9036-19-5	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
OCTYLPHENOXYPOLYETHOXYETHANOL	97- 99	9036-19-5	N	N	N	N
AROMATIC PETROLEUM DISTILLATE	35- 40	64742-95-6	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
CUMENE	1- 5	98-82-8	N	N	N	N
TRIMETHYLBENZENE	30- 40	25551-13-7	N	N	N	N
XYLENE	5- 10	1330-20-7	N	N	N	N
HIGH FLASH NAPHTHA	50- 55	64742-95-6	N	N	N	N
POTASSIUM HYDROXIDE SOLUTION	1- 5	1310-58-3	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
POTASSIUM HYDROXIDE	45- 50	1310-58-3	N	N	N	N
SURFACTANT	1- 5	93-83-4	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
DIETHANOLAMINE	25- 30	111-42-2	N	N	N	N

## SECTION 3. REGULATORY INFORMATION

## EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
AROMATIC PETROLEUM DISTILLATE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
SOLVENT NAPHTHA, HEAVY	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
MINERAL SPIRITS	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

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EXXON RECOMMENDS AN OCCUPATIONAL EXPOSURE LIMIT OF 100 PPM TOTAL  
HYDROCARBON BASED ON COMPOSITION.

STODDARD SOLVENT, TYPE I	ACGIH OSHA	PPM PPM	100.00 100.00	N/E N/E	N/E N/E	N N	N/E 500.00
ETHYLENE GLYCOL MONOBUTYL ETHER	ACGIH OSHA	PPM PPM	25.00 N/E	N/E N/E	N/E N/E	Y Y	N/E 50.00
OCTYLPHENOXYPOLYETHOXYETHANOL SOLUTION	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
OCTYLPHENOXYPOLYETHOXYETHANOL	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
AROMATIC PETROLEUM DISTILLATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E 100.00

OSHA PEL AS PROVIDED BY SUPPLIER.

CUMENE	ACGIH OSHA	PPM PPM	50.00 50.00	N/E N/E	N/E N/E	Y Y	N/E 50.00
TRIMETHYLBENZENE	ACGIH OSHA	PPM PPM	25.00 25.00	N/E N/E	N/E N/E	N N	N/E N/E

MAY CONTAIN 50% PSEUDOCUMENE, CAS# 95-63-6 AND  
22.5% 1,3,5-TRIMETHYLENEBENZENE, CAS# 108-67-8.

XYLENE	ACGIH OSHA	PPM PPM	100.00 100.00	150.00 150.00	N/E N/E	N N	N/E 100.00
HIGH FLASH NAPHTHA	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E

THE SUPPLIER RECOMMENDS AN EXPOSURE GUIDELINE OF 50 PPM, TLV.

POTASSIUM HYDROXIDE SOLUTION	ACGIH OSHA	MG/M3 MG/M3	N/E N/E	N/E N/E	2.00 2.00	N N	N/E N/E
POTASSIUM HYDROXIDE	ACGIH OSHA	MG/M3 MG/M3	N/E N/E	N/E N/E	2.00 2.00	N N	N/E N/E
SURFACTANT	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
DIETHANOLAMINE	ACGIH OSHA	PPM PPM	3.00 3.00	N/E N/E	N/E N/E	N N	N/E N/E

## ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a  
threshold limit value (TLV) as established by ACGIH. The  
permissible exposure limit (PEL) is a value established by OSHA.

## CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65  
list: "Chemicals Known to the State to Cause Cancer or Reproductive  
Toxicity."

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SECTION 3. REGULATORY INFORMATION  
(CONTINUED)  
-----**SEC. 313 SUPPLIER NOTIFICATION**

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
1,2,4-TRIMETHYLBENZENE	1	95-63-6
CUMENE	2	98-82-8
XYLENE	4	1330-20-7
DIETHANOLAMINE	2	111-42-2

**CLEAN AIR ACT**

This formula contains no known ozone depleting chemicals.

**HAZARD COMMUNICATION STANDARD**

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

\*\*\*\*\*  
The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.  
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SECTION 4. HAZARDS IDENTIFICATION  
-----**INHALATION ACUTE EXPOSURE EFFECTS**

Vapor harmful. May cause dizziness, headache, watering of eyes, irritation of respiratory tract, narcosis, weakness, drowsiness, nausea, loss of coordination, eye irritation, muscle twitches, vomiting, blood damage, depression of central nervous system, fatigue, liver injury, excessive sweating, and light headedness. Severe overexposure may cause convulsions, unconsciousness, and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS**

This product is a skin irritant. May be absorbed through the skin. Harmful if absorbed through skin. May cause irritation, drying of skin, redness, swelling, tissue damage, burning, and cracking. May be absorbed readily to produce symptoms similar to those listed under ingestion.

**EYE CONTACT ACUTE EXPOSURE EFFECTS**

This material is an eye irritant.

**INGESTION ACUTE EXPOSURE EFFECTS**

Harmful or fatal if swallowed. May cause dizziness, headache, nausea, weakness, drowsiness, vomiting, muscle twitches, loss of coordination, changes in white blood cells, abdominal pain, gastrointestinal irritation, diarrhea, severe irritation of mouth, throat and stomach, irritation of the digestive tract, fatigue, unconsciousness, convulsions, and death.

**CHRONIC EXPOSURE EFFECTS**

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause headache, nausea, vomiting, blood disorders, anemia, skin irritation, disturbed vision, bone marrow damage, kidney damage, liver damage, and jaundice.

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SECTION 4. HAZARDS IDENTIFICATION  
(CONTINUED)  
-----**MEDICAL CONDITIONS AGGRAVATED**

Diseases of the skin, blood, liver and kidneys.

**PRIMARY ROUTE OF EXPOSURE**

Inhalation, ingestion, and dermal.

-----  
SECTION 5. FIRST AID MEASURES  
-----**INHALATION**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

**SKIN CONTACT**

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

**EYE CONTACT**

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

**INGESTION**

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

**NOTE TO PHYSICIAN**This formula is registered with POISINDEX.  
Call your local poison control center for further information.-----  
SECTION 6. FIRE FIGHTING MEASURES  
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HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	1
FLAMMABILITY	2	2
REACTIVITY	0	0
OTHER	G	NA

**FLASH METHOD**

Seta

**FLASH POINT**

115.00 F 46.11 C

**LOWER EXPLOSION LIMIT**

0.8

**GENERAL COMMENTS**

OSHA FLAMMABILITY: Class II

**EXTINGUISHING METHOD**

Use carbon dioxide, dry powder, or foam.

**FIRE FIGHTING PROCEDURES**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

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SECTION 6. FIRE FIGHTING MEASURES  
(CONTINUED)  
-----**FIRE AND EXPLOSION HAZARDS**

CAUTION! COMBUSTIBLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION.

-----  
SECTION 7. ACCIDENTAL RELEASE MEASURES  
-----**CLEAN-UP**

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

**WASTE DISPOSAL**

Dispose in accordance with applicable local, state and federal regulations.

-----  
SECTION 8. HANDLING AND STORAGE  
-----**STORAGE**

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

**HANDLING**

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

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SECTION 9. TRANSPORT INFORMATION  
-----**TRANSPORTATION**

For D.O.T. information, contact W.M. Barr Technical Services Department.

-----  
SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
-----**VENTILATION PROTECTION**

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

**RESPIRATORY PROTECTION**

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

**SKIN PROTECTION**

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
(CONTINUED)  
-----**EYE PROTECTION**

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

**OTHER PROTECTION**

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

-----  
SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
-----**VOLATILE %**

96.000  
by weight

**BOILING POINT**

GT 271.00 F 132.77 C BOILING RANGE: 271 F - 405 F

**VAPOR DENSITY (Air = 1.0)**

Heavier than air

**EVAPORATION RATE**

Slower than ether

**BULK DENSITY**

7.414  
lbs/gal at 75 F

**pH FACTOR**

N/E

**PHOTOCHEMICALLY REACTIVE**

YES

**MAX V.O.C.**

752 grams per liter (excluding exempt solvents & water)

**MAX VAPOR PRESSURE**

(of the V.O.C.) 4mm Hg at 20 degrees C

-----  
SECTION 12. STABILITY AND REACTIVITY  
-----**INCOMPATIBILITIES**

Incompatible with strong oxidizing agents.

**DECOMPOSITION**

Decomposition may produce carbon monoxide and carbon dioxide.

**POLYMERIZATION**

Will not occur.

**STABILITY**

Stable.

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SECTION 13. ADDITIONAL INFORMATION  
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## IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

## LEGEND:

PPM = parts per million  
MG/M3 = milligrams per cubic meter  
N/E or NE = none established  
GT = greater than  
N/A or NA = not applicable  
TCC = tag closed cup  
TOC = tag open cup  
PMCC = Pensky-Martens closed cup  
IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*